Our Bank Example Using Semaphores

Semaphore S=1; // shared
ATM1:
    wait(S);
    // AccessResource()
    obtain bank amount;
    add in deposit;
    update bank amount;
    // AccessResource() end
    signal(S); // exit

Semaphore S=1; // shared
ATM2:
    wait(S);
    // AccessResource()
    obtain bank amount;
    add in deposit;
    update bank amount;
    // AccessResource() end
    signal(S); // exit